Abstracts

Front Cover (2002 Vol. I [MWSYM])

"Front Cover (2002 Vol. I [MWSYM])." 2002 MTT-S International Microwave Symposium Digest 02.1 (2002 Vol. I [MWSYM]): i-ii.

The following topics are dealt with: radio frequency integrated circuits for 3G; MMIC technology; phased arrays and beam steering techniques; integrated circuits for 40 Gb/s fiber systems; couplers, dividers, and baluns; nonlinear CAD techniques; silicon substrate and inductor modeling; SiGe RFIC process technologies; RF MEMS switch design; frequency conversion circuits; active device modeling and characterization; RFIC power amplifier technologies; smart antennas; digital beam forming techniques; frequency and phase control circuits; high power amplifiers; microwave and millimeter-wave sensor applications; transmission line structures; microwave oscillators; linear modeling; time-domain techniques for EM field modeling; distortion correction techniques for high power amplifiers; communication systems; radar systems; LTCC; microwave and millimeter wave signal generation; nonlinear device modeling; finite-difference time-domain method; direct conversion techniques for wireless systems; printed-circuit transmission lines; circuit simulation; RF power amplifiers for wireless applications; periodic structures; CAD techniques using computational intelligence; time domain methods; flip-chip techniques organic materials in packaging; low noise devices; multi-mode techniques; ferroelectric, ferrite, and acoustic components; high-speed/noncontacting electrical probing; spatial power combining; quasi-optical techniques; THz technology; filter structures; high efficiency amplifier techniques; microwave measurements; microwave photonics; V-Band transceiver technology; biological effects; medical applications; waveguide and planar filter structures; wide bandgap devices; W-band transceiver components; frequency domain techniques; active, periodic and planar filters optical processing of antenna signals; superconducting components and technology.

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